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PRELIMINARY ASSESSMENT DATA AND SITE CHARACTERISTICS FORM				IDENTIFICATION	
				State: NJ	CERCLIS Number: DOO5440342
				CERCLIS Discovery Date: 01-23-86	
1. General Site Information					
Name: DESOTO, INC.			Street Address: 8600 RIVER ROAD		
City: PENNSAUKEN		State: NJ	Zip Code: 08110	County: CAMDEN	Cong. Dist: 06
Latitude: 39° 59' 6.0" Longitude: 75° 2' 44.0"		Approx. Area of Site: 19 acres		Status of Site: Active	
2. Owner/Operator Information					
Owner: ALUMINUM SHAPES, INC.			Operator: ESTER WILLIAMS/JOHNNY WEISMULLER PR		
Street Address: 9000 RIVER ROAD			Street Address: 8600 RIVER ROAD		
City: PENNSAUKEN			City: PENNSAUKEN		
State: NJ	Zip Code: 08110	Telephone: 662-5000	State: NJ	Zip Code: 08110	Telephone: 662-5000
Type of Ownership: Private			How initially identified: RCRA/CERCLA Notification		

200053



<b>PRELIMINARY ASSESSMENT</b>  <b>DATA AND SITE CHARACTERISTICS FORM</b>		<b>IDENTIFICATION</b>	
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<b>3. Site Evaluator Information</b>			
Name of Evaluator: FRANK SORCE		Date Prepared: 9-20-91	
Agency / Organization: NJDEP/DRPSR/BSA		EPA or State Agency Contact: KENNETH J. KLOO	
Street Address: 300 HORIZON CENTER CN407			
City: TRENTON	State: NJ	Telephone: 584-4280	
Emergency Removal Recommendation: No Date:	Recommendation: RCRC Date:	Signature:  Name: FRANK SORCE Position: HSMSIII	

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4. General Site Characteristics			
Predominate Land Uses within 1 mile of Site: Industrial Residential	Site Setting:  Urban	Years of Operation: Beginning Year: 1963  Ending Year: 1991  Unknown	
Type of Site Operations: Manufacturing Paints, Varnishes		Waste Generated: Onsite	
		Waste Deposition Authorized by Former Owner	
		Waste Accessible to Public No	
		Distance to Nearest Dwelling, School, or Workplace: 50 Feet	
5. Waste Characteristics Information			
Source Type:                      Quantity    units Non-drum containers    1.400e+04    gals		General Types of Waste: Organics Solvents Paints/Pigments	
		Physical State of Waste    Deposited Liquid	

**PRELIMINARY ASSESSMENT**  
**DATA AND SITE CHARACTERISTICS FORM**

**IDENTIFICATION**

**State:**  
NJ

**CERCLIS Number:**  
DOO5440342

**CERCLIS Discovery Date:**  
01-23-86

**6. Ground Water Pathway**

**Is Ground Water Used  
for Drinking Water  
Within 4 Miles:**  
No

**Is There a Suspected  
Release to Ground  
Water:**  
No

**List Secondary Target  
Population Served by  
Ground Water Withdrawn  
From:**

**Type of Ground Water  
Wells Within 4 Miles:**  
Municipal

**Have Primary Target  
Wells Been Identified:**  
No

0 - 1/4 Mile	0
>1/4 - 1/2 Mile	10000
>1/2 - 1 Miles	25571
>1 - 2 Miles	36211
>2 - 3 Miles	29926
>3 - 4 Miles	35084
<b>Total</b>	<b>136792</b>

**Depth to  
Shallowest Aquifer:**  
100 Feet

**Karst Terrain/Aquifer  
Present:**  
No

**Nearest Designated  
Wellhead Protection  
Area:**  
None within 4 Miles

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7. Surface Water Pathway Page 1

<b>Type of Surface Water Draining Site and 15 Miles Downstream:</b> Stream River	<b>Shortest Overland Distance from any Source to Surface Water:</b>  <div style="text-align: right;">         2000 Feet          0.4 Miles       </div>
<b>Is there a Suspected Release to Surface Water:</b> No	<b>Site is Located in:</b> > 500 yr floodplain

7. Surface Water Pathway Page 2

<b>Drinking Water Intakes along the Surface Water Migration Path:</b> No  <b>Have Primary Target Drinking Water Inlets been Identified:</b> No  <b>Secondary Target Drinking Water Intakes:</b> None
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7. Surface Water Pathway   Page 3  

Fisheries Located along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body/Flow(cfs)
PENNSAUKEN CREEK	small-moderate stream/ 10-100

7. Surface Water Pathway   Page 4  

Wetlands Located along the Surface Water Migration Path: Yes

Have Primary Target Wetlands Been Identified: No

Secondary Target Wetlands:

Water Body/Flow(cfs)	Frontage(mi)
small-moderate stream/ 10-100	>1 to 2

Other Sensitive Environments along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

None

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**8. Soil Exposure Pathway**

Are People Occupying Residences or Attending School or Day Care on or within 200 feet of the Site: Yes  Total Resident Population: 25	Number of Workers Onsite: 1 - 100
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Have Terrestrial Sensitive Environments Been Identified on or within 200 feet of the site: No  
  
 Terrestrial Sensitive Environments:  
~~Critical habitat for Federally designated endangered/threat species~~

**9. Air Pathway**

Total Population on/within: Onsite                               50 0 - 1/4 Mile                       800 >1/4 - 1/2 Mile                   21 >1/2 - 1 Mile                     3636 >1 - 2 Miles                       21947 >2 - 3 Miles                       88265 >3 - 4 Miles                       194211 Total                               308930	Is there a Suspected Release to Air: No  Are there Wetlands within 4 Miles of the Site: No  Are there Other Sensitive Environments within 4 miles of the Site: No
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Sensitive Environments within 1/2 Mile of the Site:  
 None

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 WASTE SOLVENT TANKS	Non-drum containers	WQ value	maximum
Volume	1.40E+04 gals	2.80E+01	2.80E+01

Waste Characteristics Score: WC = 18



Ground Water Pathway Criteria List  
Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is the waste quantity particularly large? (y/n/u)	N
Is precipitation heavy and filtration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	N
Is the substance highly permeable or conductive? (y/n/u)	N
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	N
Does any circumstantial evidence of ground water or drinking water contamination exist? (y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for a Suspected Release:

Ground Water Pathway Criteria List  
Primary Targets

Is any drinking water well nearby? (y/n/u)	N
Is any nearby drinking water well closed? (y/n/u)	N
Has foul-tasting or foul-smelling water been reported by any nearby drinking water well users? (y/n/u)	N
Do any nearby wells have a large drawdown/high production rate? (y/n/u)	N
Are drinking water wells located between the site and other wells that are suspected to be exposed to hazardous substances? (y/n/u)	N
Does any circumstantial evidence of ground water or drinking water contamination exist? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N
Other criteria? (y/n)	N

PRIMARY TARGET(S) IDENTIFIED? (y/n) N

Summarize the rationale for identifying Primary Targets:

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

Pathway Characteristics			Ref.
Do you suspect a release? (y/n):			No
Is the site located on a karst terrain? (y/n):			No
Depth of Aquifer (feet):			100
Distance to the nearest drinking water well (feet):			1500
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		340	
LR =	0	340	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	0	2413	
5. NEAREST WELL	0	18	
6. WELLHEAD PROTECTION AREA(WHPA) None within 4 miles	0	0	
7. RESOURCES	0	5	
T =	0	2436	

Waste Characteristics

WC =

0	18
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Ground Water Pathway Score:

100
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Ground Water Target Populations

Primary Target Population Drinking-Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
Total				

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	10000		323
Greater than 1/2 to 1 mile	25571		522
Greater than 1 to 2 miles	36211		939
Greater than 2 to 3 miles	29926		212
Greater than 3 to 4 miles	35084		417
Total			2413

Apportionment Documentation for a Blended System

	Number of Wells							servicing
	0-1/4	1/4-1/2	1/2-1	1-1	-223	2-4 3	3 - 4	
Merchantville-pennsauken	0	0	1	7		4	2	3,571 ea
Maple Shade	0	0	0	0	0	0	3	4,100 ea
NJ american	0	0	0	2		6	6	2,607 ea
Camden	0	5	11	3		0	0	2,000 ea

Surface Water Pathway Criteria List  
Suspected Release

Is surface water nearby? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is drainage area large? (y/n/u)	N
Is precipitation heavy or infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	Y
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along probable runoff path? (y/n/u)	N
Are suspected contaminants highly persistent in surface water? (y/n/u)	U
Are sediments/water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	N
Is there any circumstantial evidence of surf.water contamination?(y/n/u)	N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for a Suspected Release:

Is any target nearby? (y/n/u)	If yes:	N
N Drinking water intake		
N Fishery		
N Sensitive environment		

Has an intake, fishery, or recreational area been closed? (y/n/u) N

Is there any circumstantial evidence of surface water contamination  
at or downstream of target? (y/n/u) N

Does any target warrant sampling? (y/n/u)      If yes:      N

N    Drinking water intake

N    Fishery

N    Sensitive environment

Other criteria? (y/n)	N
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PRIMARY INTAKE(S) IDENTIFIED? (y/n) N

Summarize the rationale for identifying Primary Intake(s):

continued -----

continued -----

PRIMARY FISHERY IDENTIFIED? (y/n)

N

Summarize the rationale for identifying Primary Fishery(ies):

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n)

N

Summarize the rationale for identifying Primary Sensitive Environment(s):



SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics			Ref.
Do you suspect a release? (y/n):		No	
Distance to the surface water (feet):		2000	
Flood Frequency (years):		>500	
What is downstream distance (miles) to:			
a. the nearest drinking water intake?		16.0	
b. the nearest fishery?		0.5	
c. the nearest sensitive environment?		0.5	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

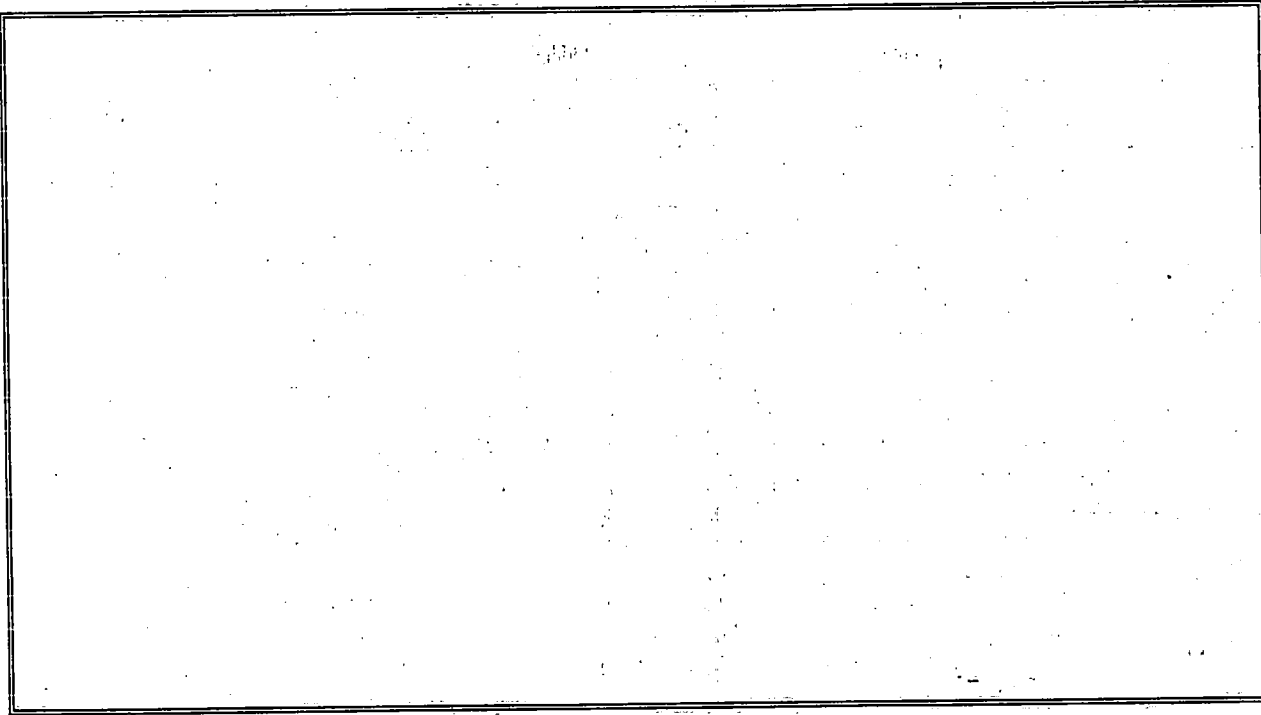
Drinking Water Threat Targets

TARGETS (within 15 mi distance)	Suspected Release	No Suspected Release	References
3. Determine the water body type flows (if applicable), and number of people served by all drinking-water intakes.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Intake Target Population

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Primary Target Population Total					0
Secondary Target Population Total					0

Apportionment Documentation for a Blended System



Human Food Chain Threat Targets

TARGETS (within 15 mi distance)	Suspected Release	No Suspected Release	References
8. Determine the water body types and flows for all fisheries within the target limit			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	30	
T =	0	30	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref	Value
1 PENNSAUKEN CREEK	N	small-moderate stream		30
Primary Fisheries Total				0
Secondary Fisheries Total				30

Environmental Threat Targets

TARGETS (within 15 mi distance)	Suspected Release	No Suspected Release	References
11. Determine the water body types and flows (if applicable) for all sensitive environments.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECOND. SENSITIVE ENVIRONMENTS	0	5	
T =	0	5	

Environment Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 WETLANDS	N	small-moderate stream		5
Primary Sensitive Environments Total				0
Secondary Sensitive Environments Total				5

Surface Water Pathway Threat Scores

Threat	Likelihood of Release(LR) Score	Target(T) Score	Pathway Waste Characteristics (WC) Score	Threat Score $LR \times T \times WC / 82,500$
Drinking Water	500	5.00E+00	18	1
Human Food Chain	500	3.00E+01	18	3
Environmental	500	5.00E+00	18	1

Surface Water Pathway Score:

4

Soil Exposure Pathway Criteria List  
Resident Population

Are there residences, schools, or day care facilities  
on or within 200 feet of areas of suspected contamination? (y/n/u) Y

Are residences, schools, or day care facilities located on adjacent  
land previously owned or leased by the site owner/operator? (y/n/u) N

Is there an overland migration route that might spread hazardous  
substances near residences, schools, or day care facilities? (y/n/u) Y

Are there any reports of adverse health effects from onsite or  
adjacent residences or students, exclusive of apparent drinking water  
or air contamination problems? (y/n/u) N

Does any offsite property warrant sampling? (y/n/u) N

Other criteria? (y/n) N

RESIDENT POPULATION IDENTIFIED? (y/n)

Y

Summarize the rationale for identifying Resident Population:

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics

	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n) Yes	
Do any people attend school or day care on or within 200 ft of areas of suspected contamination? (y/n) No	
Is the facility active? (y/n): Yes	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 25 resident(s) 0 school/day care students	250	
3. RESIDENT INDIVIDUAL	50	
4. WORKERS 1 - 100 nearby	5	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	5	
T =	310	

Waste Characteristics

WC =

18

Resident Population Threat Score:

37

Nearby Population Threat Score:

1

Population within 1 Mile: 1 - 10,000

Soil Exposure Pathway Score:

38



Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

Air Pathway Criteria List  
Suspected Release

Have odors been reported? (y/n/u)

N

Has a release of hazardous substances to the air  
been directly observed? (y/n/u)

N

Are there any reports of adverse health effects (e.g., headaches,  
nausea, dizziness) potentially resulting from migration of  
hazardous substances through the air? (y/n/u)

N

Is there any circumstantial evidence of air release? (y/n/u)

N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n)

N

Summarize the rationale for a Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics			Ref.
Do you suspect a release? (y/n):		No	
Distance to the nearest individual (feet):		50	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =		0	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	69	
5. NEAREST INDIVIDUAL	0	20	
6. PRI. SENSITIVE ENVIRONMENTS	0		
7. SEC. SENSITIVE ENVIRONMENTS	0	0	
8. RESOURCES	0	5	
T =		0	94

Waste Characteristics

WC =

0	18
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Air Pathway Score:

10
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Air Pathway Secondary Target Populations

Distance from Nearest Source	Population	References	Value
Onsite	50		5
Greater than 0 to 1/4 mile	800		13
Greater than 1/4 to 1/2 mile	21		0
Greater than 1/2 to 1 mile	3636		8
Greater than 1 to 2 miles	21947		8
Greater than 2 to 3 miles	88265		12
Greater than 3 to 4 miles	194211		23
Total Secondary Population Value			69

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

SITE SCORE CALCULATION

	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	4
SOIL EXPOSURE PATHWAY SCORE:	38
AIR PATHWAY SCORE:	10
SITE SCORE:	54

RECOMMENDATION

No further action under CERCLA is warranted.

SUMMARY

1. Is there a high possibility of a threat to nearby drinking water wells by migration of hazardous substances in ground water? No

If yes, identify the wells recommended for sampling during the SI

If yes, how many people are served by these threatened wells? 0

2. Are any of the following suspected to have been exposed to hazardous substances through surface water migration from the site?

- A. Drinking water intakes No  
B. Fishery No  
C. Sensitive environment: wetland, critical habitat, others No

If yes, identity the targets recommended for sampling during the SI

3. Do people reside or attend school or day care on or within 200 ft of any area of suspected contamination? Yes

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

REFERENCES

DESOTO, INC.